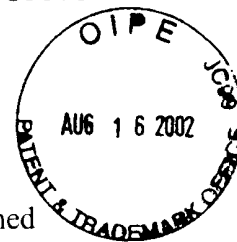


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Nir Hachohen, Qian Huang and Dongyu Liu  
Application No.: 10/085,982 Group Art Unit: 1645  
Filed: October 24, 2001 Examiner: Not Assigned  
Title: Response of Dendritic Cells to a Diverse Set of Pathogens



CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202	
on <u>8/12/02</u>	<u>K. Bastarache</u>
Date	Signature
<u>Kathleen Bastarache</u>	
Typed or printed name of person signing certificate	

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
P.O. Box 2327  
Arlington, VA 22202

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:

☐ a Statement under 37 CFR 1.97(e), as checked below, or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:

☐ a Statement under 37 CFR 1.97(e), as checked below, and

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

☒ Enclosed herewith is form PTO-1449:

☒ Copies of the cited references (AR-AR3) are enclosed.

☐ Copies of cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]

☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:

☐ the explanation provided on the attached sheet.

☐ the explanation provided in the Specification.

☐ submission of the enclosed International Search Report.

☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.

☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Lisa M. Treannie

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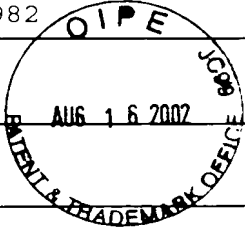
Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: 8/9/02

PTO 1449 REPRODUCED		ATTORNEY DOCKET NO. 2825.2019-001		APPLICATION NO. 10/085,982	
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>May 28, 2002</b>  (Use several sheets if necessary)		APPLICANTS Nir Hacohen, et al.			
		FILING DATE October 24, 2001		GROUP 1645	
<b>U.S. PATENT DOCUMENTS</b>					
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS SUB- CLASS
	AA				
<b>FOREIGN PATENT DOCUMENTS</b>					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUB- CLASS
	AL				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
	AR ✓	Ashman, R. and Papadimitriou, J., "Production and Function of Cytokines in Natural and Acquired Immunity to <i>Candida albicans</i> Infection," <i>Microbiol. Rev.</i> , 59(4):646-672 (1995).			
	AS ✓	Banchereau, J. and Steinman, R., "Dendritic Cells and the Control of Immunity," <i>Nature</i> , 392:245-252 (1998).			
	AT ✓	Banchereau, J. et al., "Immunobiology of Dendritic Cells," <i>Annu. Rev. Immunol.</i> , 18:767-811 (2000).			
	AU ✓	Bhardwaj, N. et al., "Influenza Virus-infected Dendritic Cells Stimulate Strong Proliferative and Cytolytic Responses from Human CD8+ T Cells," <i>J. Clin. Invest.</i> , 94:797-807 (1994).			
	AV ✓	Braun, M. et al., "Selective Suppression of IL-12 Production by Chemoattractants," <i>J. Immunol.</i> , 164:3009-3017 (2000).			
	AW ✓	Cella, M. et al., "Maturation, Activation, and Protection of Dendritic Cells Induced by Double-stranded RNA," <i>J. Exp. Med.</i> , 189(5):821-829 (1999).			
	AX ✓	Dietz, A. et al., "Maturation of Human Monocyte-Derived Dendritic Cells Studied by Microarray Hybridization," <i>Biochem. Biophys. Res. Commun.</i> , 275:731-738 (2000).			
	AY ✓	d'Ostiani, C. et al., "Dendritic Cells Discriminate Between Yeasts and Hyphae of the Fungus <i>Candida albicans</i> : Implications for Initiation of T Helper Cell Immunity In Vitro and In Vivo," <i>J. Exp. Med.</i> , 191(10):1661-1673 (2000).			
	AZ ✓	Hashimoto, S. et al., "Identification of Genes Specifically Expressed in Human Activated and Mature Dendritic Cells Through Serial Analysis of Gene Expression," <i>Blood</i> , 96(6):2206-2214 (2000).			
	AR2 ✓	Hemmi, H. et al., "A Toll-like Receptor Recognizes Bacterial DNA," <i>Nature</i> , 408:740-745 (2000).			
	AS2 ✓	Hwu, P. et al., "Indoleamine 2,3-Dioxygenase Production by Human Dendritic Cells Results in the Inhibition of T Cell Proliferation," <i>J. Immunol.</i> , 164:3596-3599 (2000).			
EXAMINER			DATE CONSIDERED		



PTO 1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  May 28, 2002  (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2825.2019-001		APPLICATION NO. 10/085,982					
		APPLICANTS Nir Hacohen, et al.		FILING DATE October 24, 2001				GROUP 1645	
<b>U.S. PATENT DOCUMENTS</b>									
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE		
<b>FOREIGN PATENT DOCUMENTS</b>									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>									
	AT2/ ✓	Ludwig, S. et al., "A Fatal Relationship-Influenza Virus Interactions with the Host Cell," <i>Viral Immunol.</i> , 12(3):175-196 (1999).							
	AU2 ✓	Murphy G. and Gavrilovic, J., "Proteolysis and Cell Migration: Creating a Path?," <i>Curr. Opin. Cell Biol.</i> , 11:614-621 (1999).							
	AV2 ✓	O'Reilly, L. and Strasser, A., "Apoptosis and Autoimmune Disease," <i>Inflamm. Res.</i> , 48:5-21(1999).							
	AW2 ✓	Rescigno, M. et al., "Bacteria-induced Neo-biosynthesis, Stabilization, and Surface Expression of Functional Class I Molecules in Mouse Dendritic Cells," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 95:5229-5234 (1998).							
	AX2 ✓	Rissoan, M. et al., "Reciprocal Control of T Helper Cell and Dendritic Cell Differentiation," <i>Science</i> , 283:1183-1186 (1999).							
	AY2 ✓	Tomasec, P. et al., "Surface Expression of HLA-E, an Inhibitor of Natural Killer Cells, Enhanced by Human Cytomegalovirus gpUL40," <i>Science</i> , 287:1031-1033 (2000).							
	AZ2 ✓	von Andrian, U. and Mackay, C., "T-Cell Function and Migration: Two Sides of the Same Coin," <i>New Engl. J. Med.</i> , 343(14):1020-1034 (2000).							
	AR3	Wenger, R., "Mammalian Oxygen Sensing, Signalling and Gene Regulation," <i>J. Exp. Biol.</i> , 203:1253-1263 (2000).							
EXAMINER				DATE CONSIDERED					

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